

Notice of Allowability

Application No.

10/021,940

Examiner

VENKATESH HALIYUR

Applicant(s)

LINDQUIST ET AL.

Art Unit

2619

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/03/07.
2. ☒ The allowed claim(s) is/are 1-3,6-10,13-15 and 18-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:

Claims 1-3, 6-10, 13-15, 18-23 are allowed over prior art.

The prior art of record fails to teach and render obvious the limitations as in the amendment submitted on 12/28/2006 for independent claims 1, 6, 13, 18, 21 and the dependent claims 2-3, 7-10, 14-15, 19-20, 22-23 in the instant application by the applicant(s) for the method and system related in general to the field of communications, and in particular using broadband transport for narrowband telephony and data communications.

Claim 1: An interworking node operatively connectable to a plurality of call control nodes each including switching intelligence and narrowband switching fabric and a plurality of connection control nodes each including broadband switching fabric and each being capable of processing a communication using one of a plurality of formats, said interworking node comprising: means for interworking between said plurality of call control nodes and said plurality of connection control nodes; a database communicably coupled to said means for interworking for linking a particular one of said plurality of connection control nodes with a corresponding one of said plurality of formats wherein a call control instruction transmitted by said particular one of said call control nodes and forwarded by said interworking node to one of said connection control nodes is

used for controlling call connection over said broadband switching fabric within said one connection control node and wherein said call control instruction is translated by said interworking node into said one of said plurality of formats compatible with said one connection control node; means for receiving a communication from or for said particular connection control node; means for ascertaining said corresponding format associated with said particular connection control node by accessing said database; and means for translating said communication responsive to said ascertained corresponding format.

Claim 6: A system for combining narrowband and broadband transport mechanisms in a communications network, comprising:
a call control node including switching intelligence and narrowband switching fabric; a plurality of connection control nodes each including broadband switching fabric and each being capable of processing a communication using one of a plurality of formats and relying on said switching intelligence within said call control node for providing call connection control over said broadband switching fabric; and an intermediate node operatively connectable to said call control node and said plurality of connection control nodes, said intermediate node being adapted to interwork between said call control node and said plurality of connection control nodes, said intermediate node further including a database for linking a particular one of said plurality of connection control nodes with a corresponding one of said plurality of formats and wherein said intermediate node translates messages associated with said call connection control issued by

said call control node into said format compatible with a corresponding one of said plurality of connection control nodes; wherein said intermediate node is further adapted to receive a communication from or for said particular connection control node and ascertain said corresponding format associated with said particular connection control node by accessing said database, said intermediate node being further adapted to translate said communication responsive to said ascertained corresponding format.

Claim 13: A method for combining narrowband and broadband transport mechanisms in a communications network, comprising the steps of: providing a call control node including switching intelligence and narrowband switching fabric, a plurality of connection control nodes each including broadband switching fabric and each being capable of processing a communication using one of a plurality of formats and an intermediate node for interworking between said call control node and said plurality of connection control nodes; linking a particular one of said plurality of connection control nodes with a corresponding one of said plurality of formats at said intermediate node; wherein said plurality of connection control nodes rely on said switching intelligence within said call control node for providing call connection control over said broadband switching fabric and wherein said intermediate node forwarding a message associated with said call connection control transmitted by said call control node to a particular one of said connection control nodes translates the format of said message to be compatible with said particular one of said connection control nodes;

receiving a communication from or for said particular connection control node at said intermediate node; ascertaining said corresponding format associated with said particular connection control node; and translating said communication responsive to said ascertained corresponding format.

Claim 18: A method for processing a communication associated with a particular one of a plurality of connection control nodes at an intermediate node in a communications network combining narrowband and broadband transport mechanisms, said communications network further comprising a call control node including switching intelligence and narrowband switching fabric, each of said connection control nodes including broadband switching fabric broadband switching fabric each being capable of processing a communication using one of a plurality of formats, said intermediate node interworking between said call control node and said plurality of connection control nodes, said method comprising the steps of: linking a particular one of said plurality of connection control nodes with a corresponding one of said plurality of formats at said intermediate node; wherein said plurality of connection control nodes rely on said switching intelligence within said call control node for providing call connection control over said broadband switching fabric and wherein said intermediate node forwarding a message associated with said call connection control transmitted by said call control node to a particular one of said connection control nodes translates the format of said message to be compatible with said particular one of said connection control nodes; receiving a communication message from said

particular connection control node at said intermediate node wherein said communication message provides certain call control instructions to said broadband switching fabric within a particular one of said connection control nodes; ascertaining a corresponding format used by said particular connection control node in processing said communication message, said corresponding format being one of a plurality of formats usable by said plurality of connection control nodes; and translating said communication message responsive to said ascertained corresponding format.

Claim 21: A method for processing a communication associated with a particular one of a plurality of connection control nodes at an intermediate node in a communications network combining narrowband and broadband transport mechanisms, said communications network further comprising a call control node including switching intelligence and narrowband switching fabric, each of said connection control nodes including broadband switching fabric, said intermediate node interworking between said call control node and said plurality of connection control nodes, said method comprising the steps of: receiving a communication message for a particular one of said connection control nodes at said intermediate node wherein said communication message generated by said switching intelligence within said call control node for providing call control instructions to said broadband switching fabric within said particular one of said connection control nodes; ascertaining a corresponding format usable by said particular connection control node in processing said communication message,

said corresponding format being one of a plurality of formats usable by said plurality of connection control nodes; and translating said communication message responsive to said ascertained corresponding format; and transmitting said translated communication from said intermediate node to said particular connection control node.

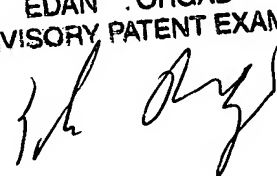
2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkatesh Haliyur whose telephone number is 571-272-8616. The examiner can normally be reached on Monday thru Friday 8:30AM to 4:30PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edan Orgad can be reached on 571-272-7884. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Patent Examiner

Venkatesh Haliyur



EDAN . ORGAD
SUPERVISORY PATENT EXAMINER



6/17/08